<110> AstraZeneca AB et al

<120> Diagnostic Method

<130> 101073-1P WO

<140> PCT/SE2004/000861
<141> 2004-06-03

<150> 0313081.2
<151> 2003-06-06

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His Thr Asn Ala Leu Lys Arg Cys Glu Glu Val Ala Lys Glu Thr Asp
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Phe Tyr His Thr Leu His Ser Arg Leu Leu Ser Asp Gln Thr Arg Leu
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Glu Met Leu Thr Gln Gln Arg Asp Thr Ala Ile Gln Leu Gln His Gln
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Cys Ala Leu Ser Leu Arg Arg Phe Glu Ala Ile His His Glu Leu Asn
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Glu Ser Glu Lys Tyr Arg Glu Glu Arg Asp Ala Val Tyr Ser Glu Tyr
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His Ile Asn Leu Ser Gly Gln Lys Asp Ser Gly Ile Ser Leu Glu Asn
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Ser Trp Ser Gly Gln Asn Ile Phe Glu Asn Ile Lys Asp Ser Asp Lys
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Met Leu Ser Phe Arg Ala His Gly Pro Glu Val Gln Ala His Asn Lys
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Arg Asn Leu Ile Gln His Asn Asn Ser Thr Gln Thr Asp Ile Phe Tyr
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Ser Ser Phe Leu His Lys Pro Phe Pro Gly Gly Pro Leu Gln Val Cys
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Gly Ser  Lys Asp Gly Lys Asp  Leu Leu Ala Leu Asp  Ala Phe Ser
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Gln Arg  Val Gln Lys Val Asp  Cys Thr Ala Leu Arg  Pro Val Leu
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Ile Leu  Gly Pro Leu Leu Asp  Val Val Lys Glu Met  Leu Val Asn
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Glu Ala  Pro Gly Lys Phe Cys  Arg Cys Pro Leu Glu  Val Met Lys
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Ala Ser  Gln Gln Ala Ile Glu  Arg Gly Val Lys Asp  Cys Leu Phe
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Val Asp  Tyr Lys Arg Arg Ser  Gly His Phe Asp Val  Thr Thr Val
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Ala Ser  Ile Lys Glu Ile Thr  Glu Lys Asn Arg His  Cys Leu Leu
     1805                     1810                  1815


Asp Ile  Ala Pro His Ala Ile  Glu Arg Leu His His  Met His Ile
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Tyr Pro  Ile Val Ile Phe Ile  His Tyr Lys Ser Ala  Lys His Ile
     1835                     1840                  1845
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Lys Glu  Gln Arg Asp Pro Ile  Tyr Leu Arg Asp Lys  Val Thr Gln
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Arg His  Ser Lys Glu Gln Phe  Glu Ala Ala Gln Lys  Leu Glu Gln
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Glu Tyr  Ser Arg Tyr Phe Thr  Gly Val Ile Gln Gly  Gly Ala Leu
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Ser Ser  Ile Cys Thr Gln Ile  Leu Ala Met Val Asn  Gln Glu Gln
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ctttcggggc gagttttctc gcggggcggg cggcgcgcgc ggaggctgag ggggagggggg   240

agcatgcccg gctggagccc ggcctcgggg cgcgccccgg ccgccgtccc cacctccgcc    300

tcctccttct cctcctccgt ctcctcctcc tcctcttcca gtcccgccgc cgcggcagcc    360

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atatattttc ttgcacagtt gttcaaaaaa gagacaagtt tcagtcctca atgctgtcct    7020

ttgttttaca ggtacaagtt ttctagctca gacaaactat gaaaaactgt agactattct    7080

caaggtatta actcgcagac cctctggggg tagggggctgt tttctaagtt acaggcagag    7140

tgggactgag atggtacagt gtgcacagac aggtactgag ctgacagact gggattttct    7200

gtactaaaat gttactttgt ataaaagtta aacaggcttt agtacaacaa ataaaggtca    7260

atttctgt                                                             7268
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Thr Gly Lys Ala Pro Ser Pro Pro Leu Leu Thr Asp Gln Gln Val
            20              25                  30


Asn Glu Lys Val Glu Asn Leu Ser Ile Gln Leu Arg Leu Met Thr Arg
            35                  40                  45


Glu Arg Asn Glu Leu Arg Lys Arg Leu Ala Phe Ala Thr His Gly Thr
    50                  55                  60


Ala Phe Asp Lys Arg Pro Tyr His Arg Leu Asn Pro Asp Tyr Glu Arg
65                  70                  75                  80


Leu Lys Ile Gln Cys Val Arg Ala Met Ser Asp Leu Gln Ser Leu Gln
                85                  90                  95


Asn Gln His Thr Asn Ala Leu Lys Arg Cys Glu Glu Val Ala Lys Glu
                100                 105                 110


Thr Asp Phe Tyr His Thr Leu His Ser Arg Leu Leu Ser Asp Gln Thr
            115                 120                 125


Arg Leu Lys Asp Asp Val Asp Met Leu Arg Arg Glu Asn Gly Gln Leu
    130                 135                 140


Leu Arg Glu Arg Asn Leu Leu Gln Gln Ser Trp Glu Asp Met Lys Arg
145                 150                 155                 160
```

Leu His Glu Glu Asp Gln Lys Glu Ile Gly Asp Leu Arg Ala Gln Gln
                165   170   175

Gln Gln Val Leu Lys His Asn Gly Ser Ser Glu Ile Leu Asn Lys Leu
            180   185   190

Tyr Asp Thr Ala Met Asp Lys Leu Glu Val Val Lys Lys Asp Tyr Asp
        195   200   205

Ala Leu Arg Lys Arg Tyr Ser Glu Lys Val Ala Ile His Asn Ala Asp
    210   215   220

Leu Ser Arg Leu Glu Gln Leu Gly Glu Glu Asn Gln Arg Leu Leu Lys
225   230   235   240

Gln Thr Glu Met Leu Thr Gln Gln Arg Asp Thr Ala Ile Gln Leu Gln
            245   250   255

His Gln Cys Ala Leu Ser Leu Arg Arg Phe Glu Ala Ile His His Glu
        260   265   270

Leu Asn Lys Ala Thr Ala Gln Asn Lys Asp Leu Gln Trp Glu Met Glu
        275   280   285

Leu Leu Gln Ser Glu Leu Thr Glu Leu Arg Thr Thr Gln Val Lys Thr
    290   295   300

Ala Lys Glu Ser Glu Lys Tyr Arg Glu Glu Arg Asp Ala Val Tyr Ser
305   310   315   320

Glu Tyr Lys Leu Ile Met Ser Glu Arg Asp Gln Val Ile Ser Glu Leu
            325   330   335

Asp Lys Leu Gln Thr Glu Val Glu Leu Ala Glu Ser Lys Leu Lys Ser
            340   345   350

Ser Thr Ser Glu Lys Lys Ala Ala Asn Glu Glu Met Glu Ala Leu Arg
        355   360   365

Gln Ile Lys Asp Thr Val Thr Met Asp Ala Gly Arg Ala Asn Lys Glu
    370   375   380

Val Glu Ile Leu Arg Lys Gln Cys Lys Ala Leu Cys Gln Glu Leu Lys
385   390   395   400

Glu Ala Leu Gln Glu Ala Asp Val Ala Lys Cys Arg Arg Asp Trp Ala
            405   410   415

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Phe Gln Glu Arg Asp Lys Ile Val Ala Glu Arg Asp Ser Ile Arg Thr
        420   425   430

Leu Cys Asp Asn Leu Arg Arg Glu Arg Asp Arg Ala Val Ser Glu Leu
        435   440   445

Ala Glu Ala Leu Arg Ser Leu Asp Asp Thr Arg Lys Gln Lys Asn Asp
    450   455   460

Val Ser Arg Glu Leu Lys Glu Leu Lys Glu Gln Met Glu Ser Gln Leu
465   470   475   480

Glu Lys Glu Ala Arg Phe Arg Gln Leu Met Ala His Ser Ser His Asp
            485   490   495

Ser Ala Ile Asp Thr Asp Ser Met Glu Trp Glu Thr Glu Val Val Glu
        500   505   510

Phe Glu Arg Glu Thr Glu Asp Ile Asp Leu Lys Ala Leu Gly Phe Asp
        515   520   525

Met Ala Glu Gly Val Asn Glu Pro Cys Phe Pro Gly Asp Cys Gly Ile
    530   535   540

Phe Val Thr Lys Val Asp Lys Gly Ser Ile Ala Asp Gly Arg Leu Arg
545   550   555   560

Val Asn Asp Trp Leu Leu Arg Ile Asn Asp Val Asp Leu Ile Asn Lys
            565   570   575

Asp Lys Lys Gln Ala Ile Lys Ala Leu Leu Asn Gly Glu Gly Ala Ile
        580   585   590

Asn Met Val Val Arg Arg Arg Lys Ser Leu Gly Gly Lys Val Val Thr
    595   600   605

Pro Leu His Ile Asn Leu Ser Gly Gln Lys Asp Ser Gly Ile Ser Leu
    610   615   620

Glu Asn Gly Val Tyr Ala Ala Ala Val Leu Pro Gly Ser Pro Ala Ala
625   630   635   ·640

Lys Glu Gly Ser Leu Ala Val Gly Asp Arg Ile Val Ala Ile Asn Gly
            645   650   655

Ile Ala Leu Asp Asn Lys Ser Leu Asn Glu Cys Glu Ser Leu Leu Arg
        660   665   670

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Ser Cys Gln Asp Ser Leu Thr Leu Ser Leu Leu Lys Val Phe Pro Gln
     675   680   685

Ser Ser Ser Trp Ser Gly Gln Asn Ile Phe Glu Asn Ile Lys Asp Ser
   690   695   700

Asp Lys Met Leu Ser Phe Arg Ala His Gly Pro Glu Val Gln Ala His
705   710   715   720

Asn Lys Arg Asn Leu Ile Gln His Asn Asn Ser Thr Gln Thr Asp Ile
         725   730   735 ·

Phe Tyr Thr Asp Arg Leu Glu Asp Arg Lys Glu Pro Gly Pro Pro Gly
        740   745   750

Gly Ser Ser Ser Phe Leu His Lys Pro Phe Pro Gly Gly Pro Leu Gln
     755   760   765

Val Cys Pro Gln Ala Cys Pro Ser Ala Ser Glu Arg Ser Leu Ser Ser
   770   775   780

Phe Arg Ser Asp Ala Ser Gly Asp Arg Gly Phe Gly Leu Val Asp Val
785   790   795   800

Arg Gly Arg Arg Pro Leu Leu Pro Phe Glu Thr Glu Val Gly Pro Cys·
        805   810   815

Gly Val Gly Glu Ala Ser Leu Asp Lys Ala Asp Ser Glu Gly Ser Asn
        820   825   830

Ser Gly Gly Thr Trp Pro Lys Ala Met Leu Ser Ser Thr Ala Val Pro
        835   840   845

Glu Lys Leu Ser Val Tyr Lys Lys Pro Lys Gln Arg Lys Ser Ile Phe
     850   855   860

Asp Pro Asn Thr Phe Lys Arg Pro Gln Thr Pro Pro Lys Ile Asp Tyr
865   870   875   880

Leu Leu Pro Gly Pro Gly Pro Ala His Ser Pro Gln Pro Ser Lys Arg
        885   890   895

Ala Gly Pro Leu Thr Pro Pro Lys Pro Pro Arg Arg Ser Asp Ser Ile
        900   905   910

Lys Phe Gln His Arg Leu Glu Thr Ser Ser Glu Ser Glu Ala Thr Leu

                915   920   925

Val Gly Ser Ser Pro Ser Thr Ser Pro Pro Ser Ala Leu Pro Pro Asp
    930   935   940

Val Asp Pro Gly Glu Pro Met His Ala Ser Pro Pro Arg Lys Ala Arg
945   950   955   960

Val Arg Ile Ala Ser Ser Tyr Tyr Pro Glu Gly Asp Gly Asp Ser Ser
                965   970   975

His Leu Pro Ala Lys Lys Ser Cys Asp Glu Asp Leu Thr Ser Gln Lys
                980   985   990

Val Asp Glu Leu Gly Gln Lys Arg Arg Arg Pro Lys Ser Ala Pro Ser
                995   1000   1005

Phe Arg Pro Lys Leu Ala Pro Val Val Ile Pro Ala Gln Phe Leu
    1010   1015   1020

Glu Glu Gln Lys Cys Val Pro Ala Ser Gly Glu Leu Ser Pro Glu
    1025   1030   1035

Leu Gln Glu Trp Ala Pro Tyr Ser Pro Gly His Ser Ser Arg His
    1040   1045   1050

Ser Asn Pro Pro Leu Tyr Pro Ser Arg Pro Ser Val Gly Thr Val
    1055   1060   1065

Pro Arg Ser Leu Thr Pro Ser Thr Thr Val Ser Ser Ile Leu Arg
    1070   1075   1080

Asn Pro Ile Tyr Thr Val Arg Ser His Arg Val Gly Pro Cys Ser
    1085   1090   1095

Ser Pro Pro Ala Ala Arg Asp Ala Gly Pro Gln Gly Leu His Pro
    1100   1105   1110

Ser Val Gln His Gln Gly Arg Leu Ser Leu Asp Leu Ser His Arg
    1115   1120   1125

Thr Cys Ser Asp Tyr Ser Glu Met Arg Ala Thr His Gly Ser Asn
    1130   1135   1140

Ser Leu Pro Ser Ser Ala Arg Leu Gly Ser Ser Ser Asn Leu Gln
    1145   1150   1155

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Phe Lys Ala Glu Arg Ile Lys Ile Pro Ser Thr Pro Arg Tyr Pro
    1160                1165            1170

Arg Ser Val Val Gly Ser Glu Arg Gly Ser Val Ser His Ser Glu
    1175                1180            1185

Cys Ser Thr Pro Pro Gln Ser Pro Leu Asn Ile Asp Thr Leu Ser
    1190                1195            1200

Ser Cys Ser Gln Ser Gln Thr Ser Ala Ser Thr Leu Pro Arg Ile
    1205                1210            1215

Ala Val Asn Pro Ala Ser Leu Gly Glu Arg Arg Lys Asp Arg Pro
    1220                1225            1230

Tyr Val Glu Glu Pro Arg His Val Lys Val Gln Lys Gly Ser Glu
    1235                1240            1245

Pro Leu Gly Ile Ser Ile Val Ser Gly Glu Lys Gly Gly Ile Tyr
    1250                1255            1260

Val Ser Lys Val Thr Val Gly Ser Ile Ala His Gln Ala Gly Leu
    1265                1270            1275

Glu Tyr Gly Asp Gln Leu Leu Glu Phe Asn Gly Ile Asn Leu Arg
    1280                1285            1290

Ser Ala Thr Glu Gln Gln Ala Arg Leu Ile Ile Gly Gln Gln Cys
    1295                1300            1305

Asp Thr Ile Thr Ile Leu Ala Gln Tyr Asn Pro His Val His Gln
    1310                1315            1320

Leu Ser Ser His Ser Arg Ser Ser Ser His Leu Asp Pro Ala Gly
    1325                1330            1335

Thr His Ser Thr Leu Gln Gly Ser Gly Thr Thr Thr Pro Glu His
    1340                1345            1350

Pro Ser Val Ile Asp Pro Leu Met Glu Gln Asp Glu Gly Pro Ser
    1355                1360            1365

Thr Pro Pro Ala Lys Gln Ser Ser Ser Arg Ile Ala Gly Asp Ala
    1370                1375            1380

Asn Lys Lys Thr Leu Glu Pro Arg Val Val Phe Ile Lys Lys Ser
    1385                1390            1395
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Gln Leu Glu Leu Gly Val His Leu Cys Gly Gly Asn Leu His Gly
    1400   1405   1410

Val Phe Val Ala Glu Val Glu Asp Asp Ser Pro Ala Lys Gly Pro
    1415   1420   1425

Asp Gly Leu Val Pro Gly Asp Leu Ile Leu Glu Tyr Gly Ser Leu
    1430   1435   1440

Asp Val Arg Asn Lys Thr Val Glu Glu Val Tyr Val Glu Met Leu
    1445   1450   1455

Lys Pro Arg Asp Gly Val Arg Leu Lys Val Gln Tyr Arg Pro Glu
    1460   1465   1470

Glu Phe Thr Lys Ala Lys Gly Leu Pro Gly Asp Ser Phe Tyr Ile
    1475   1480   1485

Arg Ala Leu Tyr Asp Arg Leu Ala Asp Val Glu Gln Glu Leu Ser
    1490   1495   1500

Phe Lys Lys Asp Asp Ile Leu Tyr Val Asp Asp Thr Leu Pro Gln
    1505   1510   1515

Gly Thr Phe Gly Ser Trp Met Ala Trp Gln Leu Asp Glu Asn Ala
    1520   1525   1530

Gln Lys Ile Gln Arg Gly Gln Ile Pro Ser Lys Tyr Val Met Asp
    1535   1540   1545

Gln Glu Phe Ser Arg Arg Leu Ser Met Ser Glu Val Lys Asp Asp
    1550   1555   1560

Asn Ser Ala Thr Lys Thr Leu Ser Ala Ala Ala Arg Arg Ser Phe
    1565   1570   1575

Phe Arg Arg Lys His Lys His Lys Arg Ser Gly Ser Lys Asp Gly
    1580   1585   1590

Lys Asp Leu Leu Ala Leu Asp Ala Phe Ser Ser Asp Ser Ile Pro
    1595   1600   1605

Leu Phe Glu Asp Ser Val Ser Leu Ala Tyr Gln Arg Val Gln Lys
    1610   1615   1620

Val Asp Cys Thr Ala Leu Arg Pro Val Leu Ile Leu Gly Pro Leu
    1625   1630   1635

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Leu Asp Val Val Lys Glu Met Leu Val Asn Glu Ala Pro Gly Lys
    1640   1645   1650

Phe Cys Arg Cys Pro Leu Glu Val Met Lys Ala Ser Gln Gln Ala
    1655   1660   1665

Ile Glu Arg Gly Val Lys Asp Cys Leu Phe Val Asp Tyr Lys Arg
    1670   1675   1680

Arg Ser Gly His Phe Asp Val Thr Thr Val Ala Ser Ile Lys Glu
    1685   1690   1695

Ile Thr Glu Lys Asn Arg His Cys Leu Leu Asp Ile Ala Pro His
    1700   1705   1710

Ala Ile Glu Arg Leu His His Met His Ile Tyr Pro Ile Val Ile
    1715   1720   1725

Phe Ile His Tyr Lys Ser Ala Lys His Ile Lys Glu Gln Arg Asp
    1730   1735   1740

Pro Ile Tyr Leu Arg Asp Lys Val Thr Gln Arg His Ser Lys Glu
    1745   1750   1755

Gln Phe Glu Ala Ala Gln Lys Leu Glu Gln Glu Tyr Ser Arg Tyr
    1760   1765   1770

Phe Thr Gly Val Ile Gln Gly Gly Ala Leu Ser Ser Ile Cys Thr
    1775   1780   1785

Gln Ile Leu Ala Met Val Asn Gln Glu Gln Asn Lys Val Leu Trp
    1790   1795   1800

Ile Pro Ala Cys Pro Leu
    1805

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